

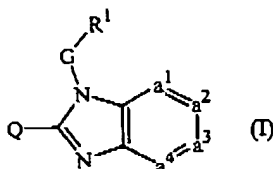
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 Application No.: 10/030,202
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This listing of claims will replace all prior versions, and listings, of claims in the application.

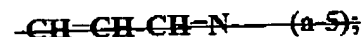
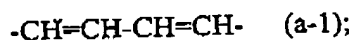
Listing of Claims:

1. (currently amended) A method of manufacturing a medicament for the treatment of viral infections, comprising the step of providing a compound of formula

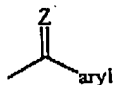


a prodrug, N-oxide, addition salt, quaternary amine, metal complex or stereochemically isomeric form thereof,

wherein $-a^1-a^2-a^3-a^4-$ represents a bivalent radical of formula



wherein each hydrogen atom in the ~~radicals~~ radical (a-1), (a-2), (a-3), (a-4) and (a-5) may optionally be replaced by halo, C₁₋₆alkyl, nitro, amino, hydroxy, C₁₋₆alkyloxy, polyhaloC₁₋₆alkyl, carboxyl, aminoC₁₋₆alkyl, mono- or di(C₁₋₄alkyl)aminoC₁₋₆alkyl, C₁₋₆alkyloxycarbonyl, hydroxyC₁₋₆alkyl, or a radical of formula



wherein $=Z$ Z is $=O$, $-\text{CH}-\text{C}(=\text{O})-\text{NR}^{5a}\text{R}^{5b}$, $-\text{CH}_2-$, $-\text{CH}-\text{C}_1\text{alkyl}$, $-\text{N}-\text{OH}$ or $-\text{N}-\text{O}-\text{C}_1\text{alkyl}$, O , $\text{CH}-\text{C}(=\text{O})-\text{NR}^{5a}\text{R}^{5b}$, CH_2 , $\text{CH}-\text{C}_1\text{alkyl}$, $\text{N}-\text{OH}$ or $\text{N}-\text{O}-\text{C}_1\text{alkyl}$;

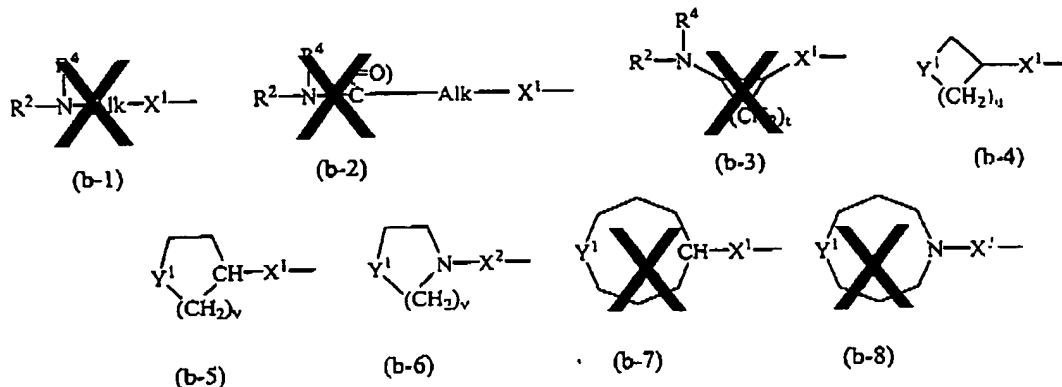
Q is a radical of formula

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wherein ~~Alk is C₁₋₆alkanediyl~~;Y¹ is a bivalent radical of formula -NR²- or -CH(NR²R⁴)-;

X¹ is NR⁴, S, S(=O), S(=O)₂, O, CH₂, C(=O), C(=CH₂), CH(OH), CH(CH₃), CH(OCH₃), CH(SCH₃), CH(NR^{5a}R^{5b}), CH₂-NR⁴ or NR⁴-CH₂;

X² is a direct bond, CH₂, C(=O), NR⁴, C₁₋₆alkyl-NR⁴, NR⁴-C₁₋₆alkyl;~~t is 2, 3, 4 or 5;~~~~u is 1, 2, 3, 4 or 5 2 or 3;~~~~v is 2 or 3; and~~

whereby each hydrogen atom in ~~Alk and~~ the carbocycles and the heterocycles defined in radicals ~~(b-3), (b-4), (b-5), and (b-6), (b-7) and (b-8)~~ may optionally be replaced by R³; with the proviso that when R³ is hydroxy or C₁₋₆alkyloxy, then R³ can not replace a hydrogen atom in the α position relative to a nitrogen atom;

G is a direct bond or C₁₋₁₀alkanediyl;

R¹ is a monocyclic heterocycle selected from piperidiny, piperazinyl, pyridyl, pyrazinyl, pyridazinyl, pyrimidinyl, pyrrolyl, furanyl, tetrahydrofuranyl, thienyl, oxazolyl, thiazolyl, imidazolyl, pyrazolyl, isoxazolyl, oxadiazolyl, and isothiazolyl; and each heterocycle may optionally be substituted with 1 or where possible more, ~~such as 2, 3 or 4,~~ substituents selected from halo, hydroxy, amino, cyano, carboxy, C₁₋₆alkyl, C₁₋₆alkyloxy, C₁₋₆alkylthio, C₁₋₆alkyloxyC₁₋₆alkyl, aryl, arylC₁₋₆alkyl, arylC₁₋₆alkyloxy, hydroxyC₁₋₆alkyl, mono- or di(C₁₋₆alkyl)amino, mono- or di(C₁₋₆alkyl)aminoC₁₋₆alkyl, polyhaloC₁₋₆alkyl, C₁₋₆alkylcarbonylamino, C₁₋₆alkyl-SO₂-NR^{5c}-, aryl-SO₂-NR^{5c}-, C₁₋₆alkyloxycarbonyl,

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$-C(=O)-NR^{5c}R^{5d}$, $HO(-CH_2-CH_2-O)_n-$, $halo(-CH_2-CH_2-O)_n-$, $C_{1-6}alkyloxy(-CH_2-CH_2-O)_n-$, $arylC_{1-6}alkyloxy(-CH_2-CH_2-O)_n-$ and mono-or di($C_{1-6}alkyl$)amino($-CH_2-CH_2-O)_n-$;

each n independently is 1, 2, 3 or 4;

R^2 is hydrogen, formyl, $C_{1-6}alkylcarbonyl$, $Hetcarbonyl$, pyrrolidinyl, piperidinyl, homopiperidinyl, $C_{3-7}cycloalkyl$ substituted with $N(R^6)_2$, or $C_{1-10}alkyl$ substituted with $N(R^6)_2$ and optionally with a second, third or fourth substituent selected from amino, hydroxy, $C_{3-7}cycloalkyl$, $C_{2-5}alkanediyl$, piperidinyl, mono-or di($C_{1-6}alkyl$)amino, $C_{1-6}alkyloxycarbonylamino$, aryl and aryloxy;

R^3 is hydrogen, hydroxy, $C_{1-6}alkyl$, $C_{1-6}alkyloxy$, $arylC_{1-6}alkyl$ or $arylC_{1-6}alkyloxy$;

R^4 is hydrogen, $C_{1-6}alkyl$ or $arylC_{1-6}alkyl$;

R^{5a} , R^{5b} , R^{5c} and R^{5d} each independently are hydrogen or $C_{1-6}alkyl$; or

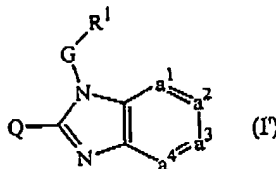
R^{5a} and R^{5b} , or R^{5c} and R^{5d} taken together form a bivalent radical of formula $-(CH_2)_s-$ wherein s is 4 or 5;

R^6 is hydrogen, $C_{1-6}alkyl$, formyl, $hydroxyC_{1-6}alkyl$, $C_{1-6}alkylcarbonyl$ or $C_{1-6}alkyloxycarbonyl$;

aryl is phenyl or phenyl substituted with 1 or more, ~~such as 2, 3 or 4~~, substituents selected from halo, hydroxy, $C_{1-6}alkyl$, $hydroxyC_{1-6}alkyl$, $polyhaloC_{1-6}alkyl$, and $C_{1-6}alkyloxy$; and

Het is pyridyl, pyrimidinyl, pyrazinyl, or pyridazinyl.

2. (currently amended) A compound of formula (I')



a prodrug, N -oxide, addition salt, quaternary amine, metal complex or stereochemically isomeric form thereof, wherein $-a^1=a^2-a^3=a^4-$ represents a radical of formula

$-CH=CH-CH=CH-$ (a-1);

$-N-CH=CH-CH=CH-$ (a-2);

$-CH=N-CH=CH-CH=CH-$ (a-3);

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with the proviso that when R^3 is hydroxy or C_{1-6} alkyloxy, then R^3 can not replace a hydrogen atom in the α position relative to a nitrogen atom;

G is a direct bond or C_{1-10} alkanediyl;

R^1 is a monocyclic heterocycle selected from pyridyl, pyrazinyl, pyridazinyl, pyrimidinyl, pyrrolyl, imidazolyl and pyrazolyl; and each heterocycle may optionally be substituted with 1 or where possible more, ~~such as 2, 3 or 4~~, substituents selected from halo, hydroxy, amino, cyano, carboxy, C_{1-6} alkyl, C_{1-6} alkyloxy, C_{1-6} alkylthio, C_{1-6} alkyloxy C_{1-6} alkyl, aryl, aryl C_{1-6} alkyl, aryl C_{1-6} alkyloxy, hydroxy C_{1-6} alkyl, mono- or di(C_{1-6} alkyl)amino, mono- or di(C_{1-6} alkyl)amino C_{1-6} alkyl, polyhalo C_{1-6} alkyl, C_{1-6} alkylcarbonylamino, C_{1-6} alkyl-SO₂-NR^{5c}-, aryl-SO₂-NR^{5c}-, C_{1-6} alkyloxycarbonyl, -C(=O)-NR^{5c}R^{5d}, HO(-CH₂-CH₂-O)_n-, halo(-CH₂-CH₂-O)_n-, C_{1-6} alkyloxy(-CH₂-CH₂-O)_n-, aryl C_{1-6} alkyloxy(-CH₂-CH₂-O)_n- and mono- or di(C_{1-6} alkyl)amino(-CH₂-CH₂-O)_n-;

each n independently is 1, 2, 3 or 4;

R^2 is hydrogen, formyl, pyrrolidinyl, piperidinyl, homopiperidinyl, C_{3-7} cycloalkyl substituted with N(R⁶)₂, or C_{1-10} alkyl substituted with N(R⁶)₂ and optionally with a second, third or fourth substituent selected from amino, hydroxy, C_{3-7} cycloalkyl, C_{2-5} alkanediyl, piperidinyl, mono- or di(C_{1-6} alkyl)amino, C_{1-6} alkyloxycarbonylamino, aryl and aryloxy;

R^3 is hydrogen, hydroxy, C_{1-6} alkyl, C_{1-6} alkyloxy, aryl C_{1-6} alkyl or aryl C_{1-6} alkyloxy;

R^4 is hydrogen, C_{1-6} alkyl or aryl C_{1-6} alkyl;

R^{5a} , R^{5b} , R^{5c} and R^{5d} each independently are hydrogen or C_{1-6} alkyl; or

R^{5a} and R^{5b} , or R^{5c} and R^{5d} taken together form a bivalent radical of formula -(CH₂)_s- wherein s is 4 or 5;

R^6 is hydrogen, C_{1-4} alkyl, formyl, hydroxy C_{1-6} alkyl, C_{1-6} alkylcarbonyl or C_{1-6} alkyloxycarbonyl;

aryl is phenyl or phenyl substituted with 1 or more, ~~such as 2, 3 or 4~~, substituents selected from halo, hydroxy, C_{1-6} alkyl, hydroxy C_{1-6} alkyl, polyhalo C_{1-6} alkyl, and C_{1-6} alkyloxy;

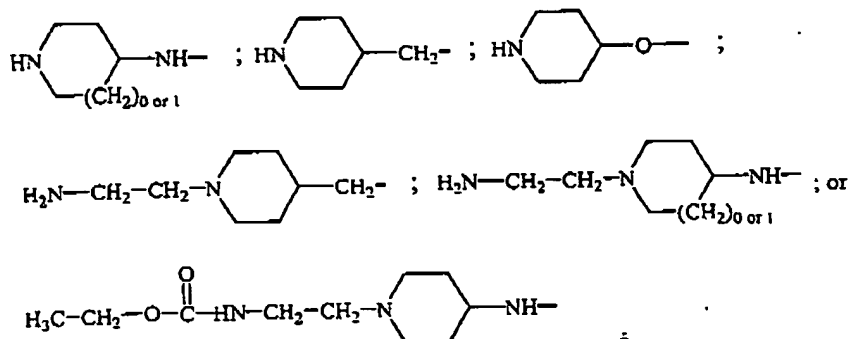
provided that when G is methylene, and R^1 is 2-pyridyl, 3-pyridyl, 6-methyl-2-pyridyl, 2-pyrazinyl or 5-methyl-imidazol-4-yl, and ~~$a^1=a^2=a^3=a^4$ is -CH=CH-CH=CH- or -N=CH-CH=CH-~~, then Q is other than

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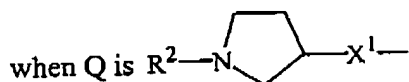
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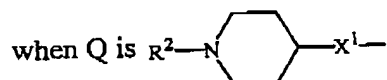


3. (previously presented) A compound as claimed in claim 2, wherein:



wherein X^1 is NR^4 , O, S, $\text{S}(=\text{O})$, $\text{S}(=\text{O})_2$, CH_2 , $\text{C}(=\text{O})$, $\text{C}(=\text{CH}_2)$ or $\text{CH}(\text{CH}_3)$, then R^1 is other than pyridyl, pyridyl substituted with C_{1-6} alkyl, pyrimidinyl, pyrazinyl, imidazolyl and imidazolyl substituted with C_{1-6} alkyl.

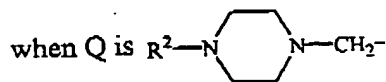
4. (previously presented) A compound as claimed in claim 2, wherein:



wherein X^1 is NR^4 , O, S, $\text{S}(=\text{O})$, $\text{S}(=\text{O})_2$, CH_2 , $\text{C}(=\text{O})$, $\text{C}(=\text{CH}_2)$ or $\text{CH}(\text{CH}_3)$, then R^1 is other than pyridyl, pyridyl substituted with C_{1-6} alkyl, pyridyl substituted with 1 or 2 C_{1-6} alkyloxy, pyrazinyl, pyrrolyl, pyrrolyl substituted with C_{1-6} alkyl, imidazolyl and imidazolyl substituted with C_{1-6} alkyl.

5. (cancelled)

6. (previously presented) A compound as claimed in claim 2, wherein:



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then R¹ is other than pyridyl, pyrimidinyl, pyrazinyl, imidazolyl and imidazolyl substituted with C₁₋₆alkyl.

7. (cancelled)

8. (currently amended) A compound as claimed in claim 2, wherein the compound is:

(±)-2-[[2-[[1-(2-amino-3-methylbutyl)-4-piperidinyl]amino]-7-methyl-1H-benzimidazol-1-yl]methyl]-6-methyl-3-pyridinol tetrahydrochloride monohydrate;

2-[[2-[[1-(2-aminoethyl)-4-piperidinyl]amino]-1H-benzimidazol-1-yl]methyl]-3-pyridinol;

(±)-N-[1-(2-amino-3-methylbutyl)-4-piperidinyl]-6-chloro-1-[(1,4-dimethyl-1H-imidazol-5-yl)methyl]-1H-benzimidazol-2-amine monohydrate;

(±)-N-[1-(2-amino-3-methylbutyl)-4-piperidinyl]-6-chloro-1-[(6-methyl-2-pyridinyl)methyl]-1H-benzimidazol-2-amine;

~~(±)-2-[[2-[(3-amino-2-hydroxypropyl)amino]-1H-benzimidazol-1-yl]methyl]-6-methyl-3-pyridinol;~~

N-[1-(2-aminoethyl)-4-piperidinyl]-1-[[3-(2-ethoxyethoxy)-6-methyl-2-pyridinyl]methyl]-1H-benzimidazol-2-amine tetrahydrochloride dihydrate;

(±)-N-[1-(2-amino-3-methylbutyl)-4-piperidinyl]-1-[(2-chloro-1,4-dimethyl-1H-imidazol-5-yl)methyl]-1H-benzimidazol-2-amine;

(±)-N-[1-(2-amino-3-methylbutyl)-4-piperidinyl]-6-chloro-1-[(2-chloro-1,4-dimethyl-1H-imidazol-5-yl)methyl]-1H-benzimidazol-2-amine;

(±)-N-[1-(2-amino-3-methylbutyl)-4-piperidinyl]-6-methyl-1-[(6-methyl-2-pyridinyl)methyl]-1H-benzimidazol-2-amine;

(±)-N-[1-(2-aminopropyl)-4-piperidinyl]-1-[(3,5,6-trimethylpyrazinyl)methyl]-1H-benzimidazol-2-amine tetrahydrochloride trihydrate;

(±)-N-[1-(2-amino-3-methylbutyl)-4-piperidinyl]-1-[(3,5,6-trimethylpyrazinyl)methyl]-1H-benzimidazol-2-amine;

N-[1-(2-aminoethyl)-4-piperidinyl]-1-[[3-(2-chloroethoxy)-6-methyl-2-pyridinyl]methyl]-1H-benzimidazol-2-amine trihydrochloride dihydrate;

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(±)-N-[1-(2-amino-3-methylbutyl)-4-piperidinyl]-1-[3-amino-2-pyridinyl)methyl]-1H-benzimidazol-2-amine tetrahydrochloride trihydrate;

2-[[2-[[1-(2-aminoethyl)-4-piperidinyl]amino]-4-methyl-1H-benzimidazol-1-yl)methyl]-6-methyl-3-pyridinol tetrahydrochloride;

~~(±)-2-[[2-[[1-(2-amino-3-methylbutyl)-4-piperidinyl]amino]-7-methyl-3H-imidazo[4,5-b]pyridin-3-yl)methyl]-6-methyl-3-pyridinol;~~

2-[[2-[[1-(2-aminoethyl)-4-piperidinyl]amino]-6-chloro-4-methyl-1H-benzimidazol-1-yl)methyl]-6-methyl-3-pyridinol tetrahydrochloride 2-propanolate (1:1);

(±)-2-[[2-[[1-(2-amino-3-methylbutyl)-4-piperidinyl]amino]-4-methyl-1H-benzimidazol-1-yl)methyl]-6-methyl-3-pyridinol;

(±)-2-[[2-[[1-(2-aminopropyl)-4-piperidinyl]amino]-4-methyl-1H-benzimidazol-1-yl)methyl]-6-methyl-3-pyridinol tetrahydrochloride trihydrate;

2-[[2-[[1-(2-aminoethyl)-4-piperidinyl]amino]-7-methyl-1H-benzimidazol-1-yl)methyl]-6-methyl-3-pyridinol tetrahydrochloride dihydrate;

2-[[2-[[1-(2-aminoethyl)-4-piperidinyl]amino]-6-bromo-4-methyl-1H-benzimidazol-1-yl)methyl]-6-methyl-3-pyridinol tetrahydrochloride;

2-[[2-[[1-(2-aminoethyl)-4-piperidinyl]amino]-1H-benzimidazol-1-yl)methyl]-6-methyl-3-pyridinol tetrahydrochloride monohydrate;

(±)-2-[[2-[[1-(2-amino-3-methylbutyl)-4-piperidinyl]amino]-1H-benzimidazol-1-yl)methyl]-6-methyl-3-pyridinol;

(±)-N-[1-(2-amino-3-methylbutyl)-4-piperidinyl]-4-methyl-1-[(6-methyl-2-pyridinyl)methyl]-1H-benzimidazol-2-amine;

a prodrug, N-oxide, addition salt, quaternary amine, metal complex or stereochemically isomeric form thereof.

9. (currently amended) A compound, wherein the compound is:

2-[[2-[[1-(2-aminoethyl)-4-piperidinyl]amino]-5-chloro-7-methyl-1H-benzimidazol-1-yl)methyl]-6-methyl-3-pyridinol tetrahydrochloride tetrahydrate;

N-[1-(2-aminoethyl)-4-piperidinyl]-1-[(2,4-dimethyl-5-oxazolyl)methyl]-1H-benzimidazol-2-amine;

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N-[1-(2-aminoethyl)-4-piperidinyl]-1-[(2,5-dimethyl-4-oxazolyl)methyl]-1H-benzimidazol-2-amine trihydrochloride monohydrate;

~~4-[[3-[[5-(methoxymethyl)-2-furanyl]methyl]-3H-imidazo[4,5-b]pyridine-2-yl]methyl]-1-piperidineethanamine;~~

N-[1-(2-aminoethyl)-4-piperidinyl]-1-[(5-methyl-3-isoxazolyl)methyl]-1H-benzimidazol-2-amine trihydrochloride monohydrate;

N-[1-(2-aminoethyl)-4-piperidinyl]-1-[(2-methyl-5-oxazolyl)methyl]-1H-benzimidazol-2-amine monohydrate;

N-[1-(2-aminoethyl)-4-piperidinyl]-1-[(2-methyl-5-oxazolyl)methyl]-1H-benzimidazol-2-amine trihydrochloride monohydrate;

~~N-[1-(2-aminoethyl)-4-piperidinyl]-3-[(2,4-dimethyl-5-oxazolyl)methyl]-3H-imidazo[4,5-b]pyridine-2-amine;~~

~~4-[[3-[(2-methyl-5-oxazolyl)methyl]-3H-imidazo[4,5-b]pyridine-2-yl]methyl]-1-piperazineethanamine;~~

N-[1-(2-aminoethyl)-4-piperidinyl]-1-(4-thiazolylmethyl)-1H-benzimidazol-2-amine;

N-[1-(2-aminoethyl)-4-piperidinyl]-1-[(5-phenyl-1,2,4-oxadiazol-3-yl)methyl]-1H-benzimidazol-2-amine trihydrochloride;

5-[[2-[[1-(2-aminoethyl)-4-piperidinyl]amino]-1H-benzimidazol-1-yl]methyl]-2-oxazolemethanol tetrahydrochloride dihydrate;

N-[1-(2-aminoethyl)-4-piperidinyl]-1-[(3-methyl-5-isoxazolyl)methyl]-1H-benzimidazol-2-amine trihydrochloride monohydrate;

4-[[1-[[2-(dimethylamino)-4-thiazolyl]methyl]-1H-benzimidazol-2-yl]methyl]-1-piperidineethanamine tetrahydrochloride monohydrate 2-propanolate (1:1);

ethyl 5-[[2-[[1-2-[[[(1,1-dimethylethoxy)carbonyl]amino]ethyl]-4-piperidinyl]amino]-1H-benzimidazol-1-yl]methyl]-2-methyl-4-oxazolecarboxylate;

4-[[1-[(2-methyl-4-thiazolyl)methyl]-1H-benzimidazol-2-yl]methyl]-1-piperidineethanamine;

N-[1-(2-aminoethyl)-4-piperidinyl]-1-[(2-methyl-3-furanyl)methyl]-1H-benzimidazol-2-amine;

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ethyl 4-[[3-[(3-hydroxy-6-methyl-2-pyridinyl)methyl]-7-methyl-3H-imidazo[4,5-b]pyridine-2-yl]amino]-1-piperidinecarboxylate;

1,1-dimethylethyl 4-[[1-[[3-[2-(dimethylamino)ethoxy]-6-methyl-2-pyridinyl]methyl]-1H-benzimidazol-2-yl]amino]-1-piperidinecarboxylate;

ethyl 4-[[1-[(3-amino-2-pyridinyl)methyl]-1H-benzimidazol-2-yl]amino]-1-piperidinecarboxylate;

N-[1-(6-methyl-2-pyridinyl)-1H-benzimidazol-2-yl]-1-(3-pyridinylcarbonyl)-4-piperidinamine;

a prodrug, N-oxide, addition salt, quaternary amine, metal complex or stereochemically isomeric form thereof.

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10. (currently amended) A method of treating a viral infection, comprising the step of administering a therapeutically effective amount of said compound according to any of claim 2 to 9 using as a medicine a compound as claimed in any one of claims 2 to 9.

11. (currently amended) A method of manufacturing a medicament for the treatment of viral infections, comprising the step of providing the compound as claimed in any one of claims 2 to claim 9.

12. (currently amended) The method of claim 1, 10 or 11, wherein said viral infection is a respiratory syncytial virus infection.

13. (previously presented) A pharmaceutical composition, comprising a pharmaceutically acceptable carrier and as active ingredient a therapeutically effective amount of a compound as claimed in any one of claims 2 to 9.

14. (previously presented) A process of preparing a composition as claimed in claim 13, comprising the step of intimately mixing said carrier with said compound.

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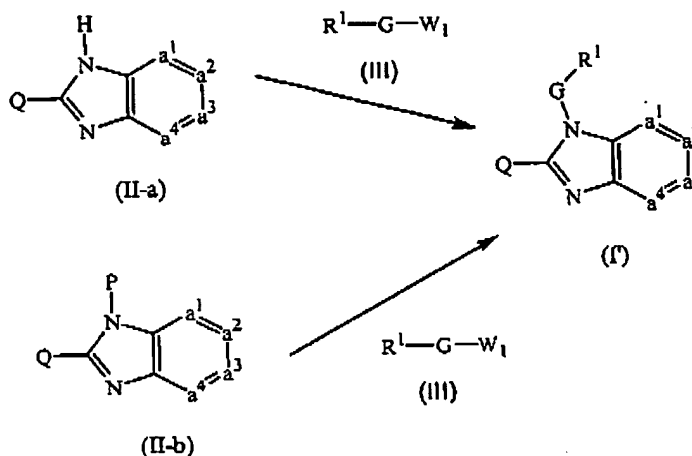
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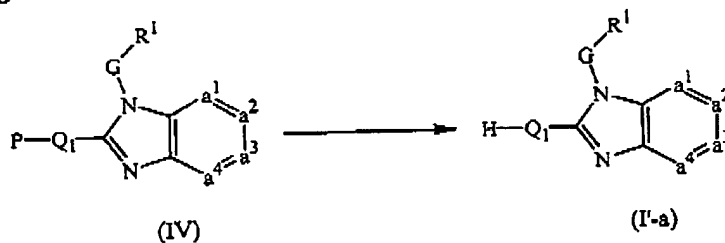
15. (*currently amended*) A process of preparing a compound as claimed, in claim 2, comprising at least one step selected from the group consisting of:

a) reacting an intermediate of formula (II-a) or (II-b) with an intermediate of formula (III)



with R^1 , G, Q and $-a^1=a^2-a^3=a^4-$ defined as in claim 2, and W_1 being a suitable leaving group, in the presence of a suitable base and in a suitable reaction-inert solvent;

b) deprotecting an intermediate of formula (IV)



with R^1 , G, and $-a^1=a^2-a^3=a^4-$ defined as in claim 2, H-Q₁ being defined as Q according to claim 2 provided that R² or at least one R⁶ substituent is hydrogen, and P being a protective group;

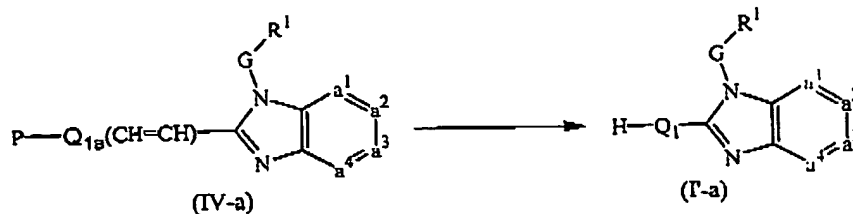
c) deprotecting and reducing an intermediate of formula (IV-a)

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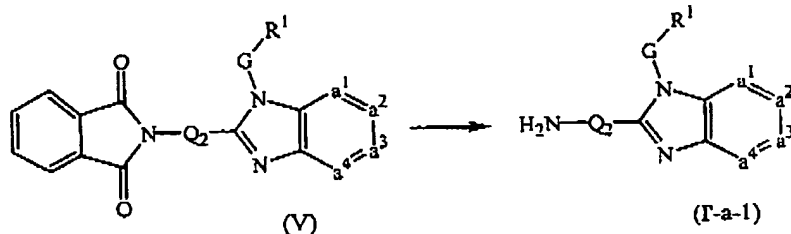
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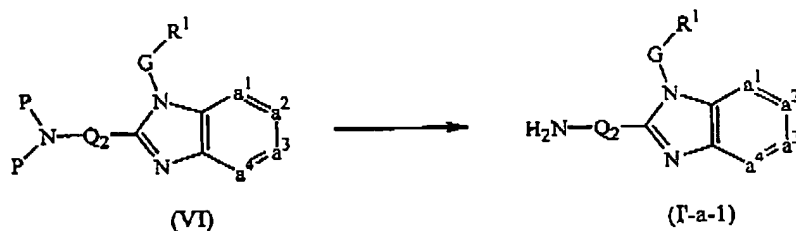
with R^1 , G , and $-a^1=a^2-a^3=a^4-$ defined as in claim 2, $H-Q_1$ being defined as Q according to claim 2 provided that R^2 or at least one R^6 substituent is hydrogen, $Q_{1a}(CH=CH)$ being defined as Q_1 provided that Q_1 comprises an unsaturated bond, and P being a protective group;

- d) deprotecting an intermediate of formula (V)



with R^1 , G , and $-a^1=a^2-a^3=a^4-$ defined as in claim 2, and H_2N-Q_2 being defined as Q according to claim 2 provided that both R^6 substituents are hydrogen or R^2 and R^4 are both hydrogen;

- e) deprotecting an intermediate of formula (VI)

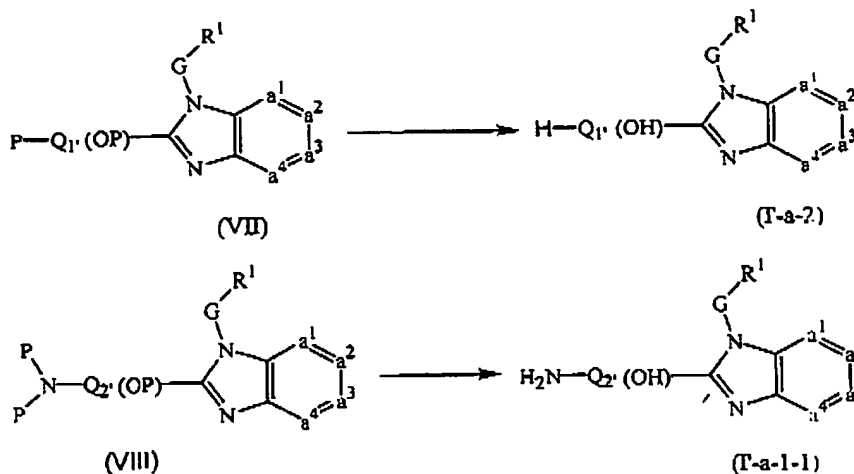


with R^1 , G , and $-a^1=a^2-a^3=a^4-$ defined as in claim 2, and H_2N-Q_2 being defined as Q according to claim 2 provided that both R^6 substituents are hydrogen or R^2 and R^4 are both hydrogen, and P being a protective group;

- f) deprotecting an intermediate of formula (VII) or (VIII)

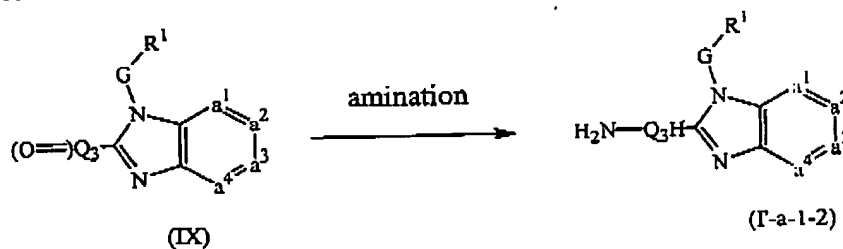
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with R^1 , G , and $-a^1=a^2-a^3=a^4-$ defined as in claim 2, $H-Q_1(OH)$ being defined as Q according to claim 2 provided that R^2 or at least one R^6 substituent is hydrogen and provided that Q comprises a hydroxy moiety, $H_2N-Q_2(OH)$ being defined as Q according to claim 2 provided that both R^6 substituents are hydrogen or R^2 and R^4 are both hydrogen and provided that Q comprises a hydroxy moiety, and P being a protective group;

- g) amination of an intermediate of formula (IX)



with R^1 , G , and $-a^1=a^2-a^3=a^4-$ defined as in claim 2, and H_2N-Q_3H being defined as Q according to claim 2 provided that both R^6 substituents are hydrogen or R^2 and R^4 are both hydrogen, and the carbon adjacent to the nitrogen carrying the R^6 , or R^2 and R^4 substituents contains at least one hydrogen, in the presence of a suitable an amination reagent;

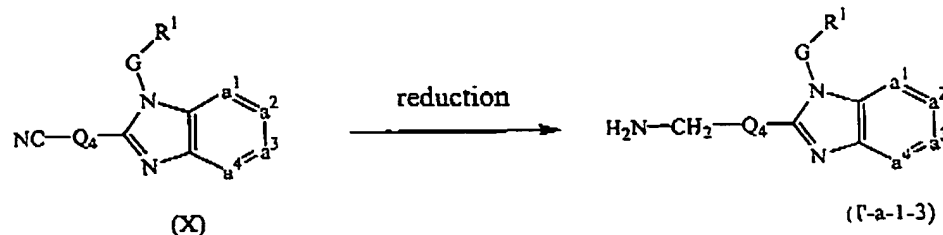
- h) reducing an intermediate of formula (X)

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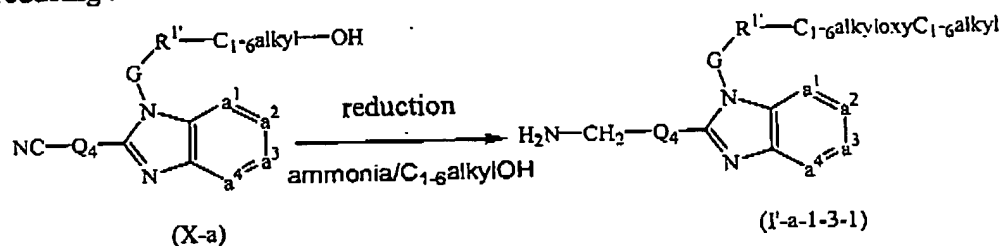
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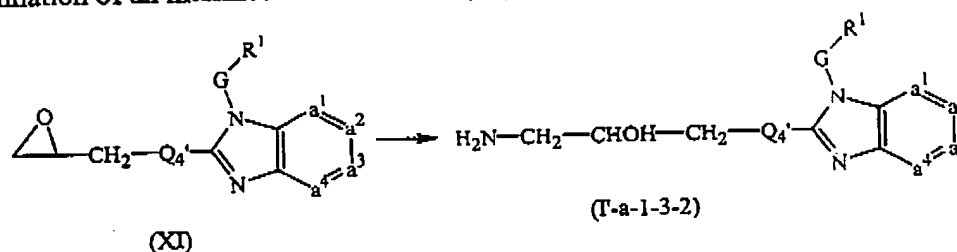
with R^1 , G, and $-a^1=a^2-a^3=a^4$ defined as in claim 2, and $H_2N-CH_2-Q_4$ being defined as Q according to claim 2 provided that Q comprises a $-CH_2-NH_2$ moiety, in the presence of a **suitable** reducing agent;

- i) reducing an intermediate of formula (X-a)



with G, and $-a^1=a^2-a^3=a^4$ defined as in claim 2, $H_2N-CH_2-Q_4$ being defined as Q according to claim 2 provided that Q comprises a $-CH_2-NH_2$ moiety, and R^1 being defined as R^1 according to claim 2 provided that it comprises at least one substituent, in the presence of a **suitable** reducing agent and **suitable** solvent;

- j) amination of an intermediate of formula (XI)



with R^1 , G, and $-a^1=a^2-a^3=a^4$ defined as in claim 2, and $H_2N-CH_2-CHOH-CH_2-Q_4$ being defined as Q according to claim 2 provided that Q comprises a $CH_2-CHOH-CH_2-NH_2$ moiety, in the presence of a **suitable** an amination reagent;

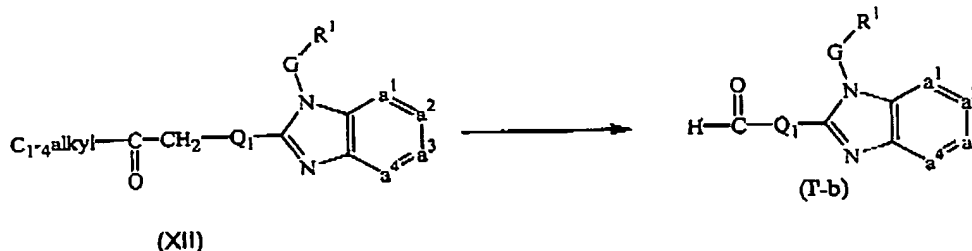
- k) reacting an intermediate of formula (XII) with formic acid, formamide and ammonia

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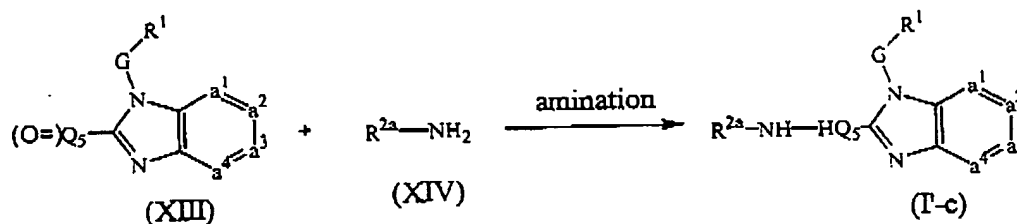
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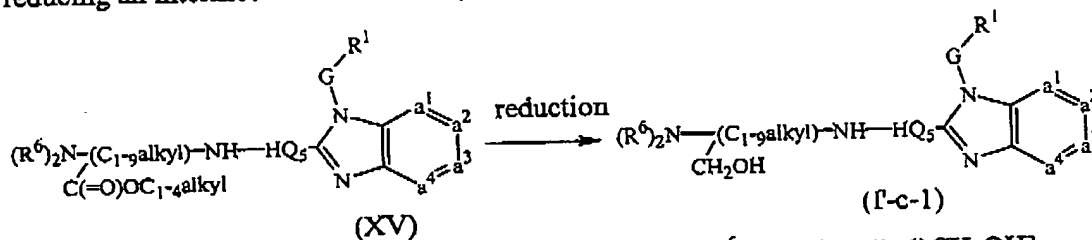
with R¹, G, and -a¹=a²-a³=a⁴ defined as in claim 2, and H-C(=O)-Q₁ being defined as Q according to claim 2 provided that R² or at least one R⁶ substituent is formyl;

- l) amination of an intermediate of formula (XIII) by reaction with an intermediate of formula (XIV)



with R¹, G, and -a¹=a²-a³=a⁴ defined as in claim 2, and R^{2a}-NH-HQ₅ being defined as Q according to claim 2 provided that R² is other than hydrogen and is represented by R^{2a}, R⁴ is hydrogen, and the carbon atom adjacent to the nitrogen atom carrying the R² and R⁴ substituents, carries also at least one hydrogen atom, in the presence of a suitable reducing agent;

- m) reducing an intermediate of formula (XV)



with R¹, G, and -a¹=a²-a³=a⁴ defined as in claim 2, and (R⁶)₂N-[(C₁₋₉alkyl)CH₂OH]-NH-HQ₅ being defined as Q according to claim 2 provided that R² is other than hydrogen and is represented by C₁₋₁₀alkyl substituted with N(R₆)₂ and with hydroxy, and the carbon atom carrying the hydroxy, carries also two hydrogen atoms, and provided that R⁴ is hydrogen, and the carbon atom adjacent to the nitrogen atom

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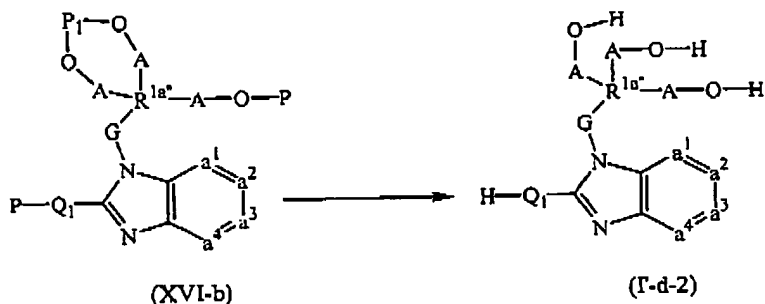
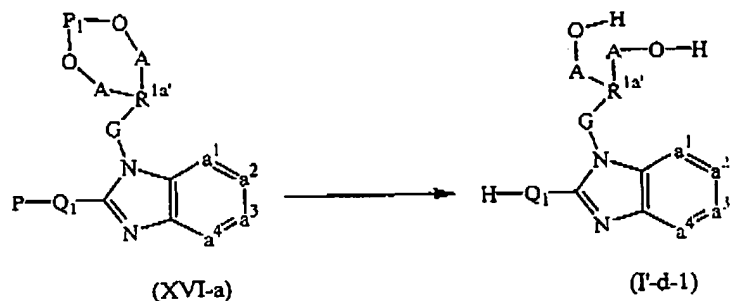
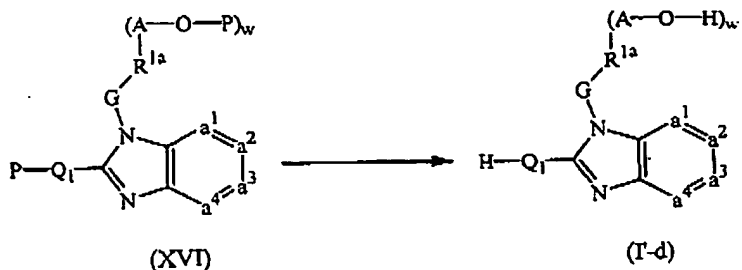
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carrying the R^2 and R^4 substituents, carries also at least one hydrogen atom, with a suitable reducing agent;

- n) deprotecting an intermediate of formula (XVI), (XVI-a) or (XVI-b)



with G, and $-a^1=a^2-a^3=a^4-$ defined as in claim 2, and $H-Q_1$ being defined as Q according to claim 2 provided that R^2 or at least one R^6 substituent is hydrogen, and $R^{1a}-(A-O-H)_w$, $R^{1a'}-(A-O-H)_2$ and $R^{1a''}-(A-O-H)_3$ being defined as R^1 according to claim 2 provided that R^1 is substituted with hydroxy, hydroxy C_{1-6} alkyl, or $HO(-CH_2-CH_2-O)_n-$, with w being an integer from 1 to 4 and P or P_1 being a suitable protecting group, with a suitable acid;

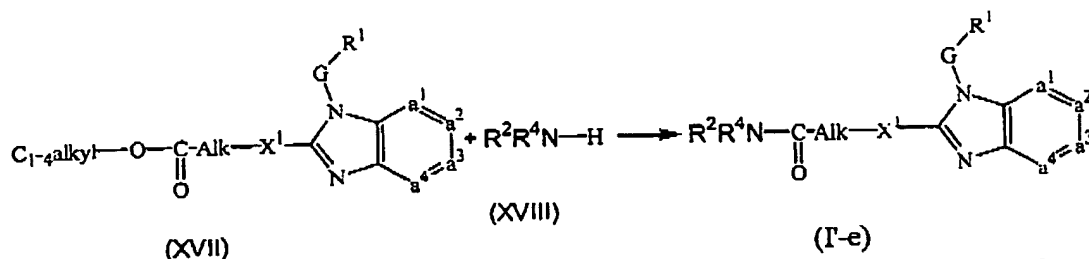
- o) amination of an intermediate of formula (XVII)

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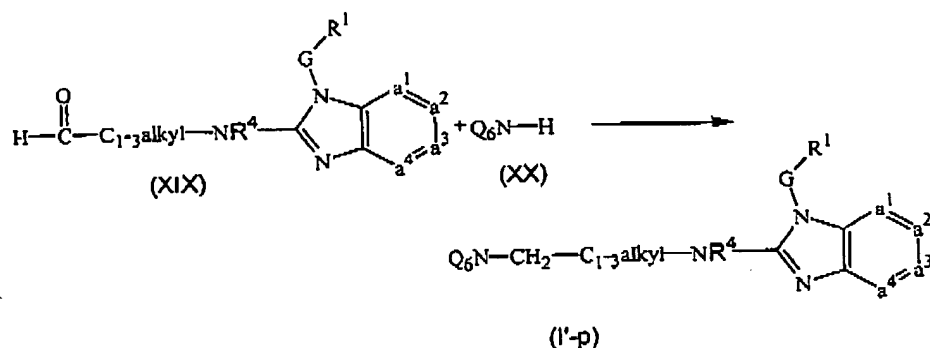
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with R^1 , G, $-\text{a}^1=\text{a}^2-\text{a}^3=\text{a}^4-$, Alk, X^1 , R^2 and R^4 defined as in claim 2, in the presence of a suitable an amination agent; and

p) amination of an intermediate of formula (XIX)



with R^1 , G, and $-\text{a}^1=\text{a}^2-\text{a}^3=\text{a}^4-$ defined as in claim 2, and $\text{Q}_6\text{N}-\text{CH}_2-\text{C}_{1-3}\text{alkyl}-\text{NR}^4$ being defined as Q according to claim 2 provided that in the definition of Q, X^2 is $\text{C}_{2-4}\text{alkyl}-\text{NR}^4$, in the presence of a suitable an amination agent.

16. (cancelled)

17. (cancelled)

18. (previously presented) The process of claim 15, further comprising the step of converting compound of formula (I'), stereochemically isomeric forms, metal complexes, quaternary amines or N-oxide forms thereof, into a therapeutically active non-toxic acid addition salt by treatment with an acid.

19. (previously presented) The process of claim 15, further comprising the step of converting compound of formula (I'), stereochemically isomeric forms, metal complexes,

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quaternary amines or *N*-oxide forms thereof, into a therapeutically active non-toxic base addition salt by treatment with alkali.

20. *(previously presented)* The process of claim 15, further comprising the step of converting the acid addition salt form of compound of formula (I'), stereochemically isomeric forms, metal complexes, quaternary amines or *N*-oxide forms thereof, into the free base by treatment with alkali.

21. *(previously presented)* The process of claim 15, further comprising the step of converting the base addition salt form of compound of formula (I'), stereochemically isomeric forms, metal complexes, quaternary amines or *N*-oxide forms thereof, into the free acid by treatment with acid.

22. *(withdrawn)* The process of claim 15, further comprising the step of converting said compound of formula (I'), stereochemically isomeric form, metal complex, quaternary amine or *N*-oxide form thereof, into a different form of compound of formula (I'), stereochemically isomeric form, metal complex, quaternary amine or *N*-oxide form thereof